

# Urban Waste Facility - Italy



15 May 2006

## Iron & Manganese Oxides reduce water supply to Environmentally friendly waste processing plant.

Urban refuse from Milan, and the local area is processed to help reduce the volume of rubbish deposited in landfill sites. It is so successful that no more than 25% of the 'raw' waste cannot be treated and recycled. Recycled waste is used as compost in agriculture and as a fuel for generating electricity.

Water is a key element of the degradation process as well as ensuring the bio-filters operate at their optimum to eliminate any smells from the plant.

### Time Constraints

The system had to be cleaned over a 48 hour period because of the continuous process of the plant. This meant that the methods adopted had to be adapted and optimised to suit these constraints. 36 hours later the well, pipework and all filters had been completely cleaned.



BoreSaver Ultra C was placed in the well and then pumped throughout the 110mm HDPE pipework. Additional **BoreSaver Ultra C** was periodically moved through the system from the well, following which it was left to work. Purging the well took just over an hour leaving a fully operating, clean system working at its original design performance of 120 l/s.



### Project Details

- 600mm diameter well, 75m deep
- 1250m pipeline
- 1200 kg treatment

